

- , 2-(benzoylamino)-4-hydroxy-
 γ -lactone — see *Benzamide, N-(tetrahydro-2-oxo-3-furanyl)-* [13602-48-7]
- , 2-(2-butenyl)-3-oxo-
 See 4-Hexenoic acid, 2-acetyl- [5636-63-5]
- , 2-butylidene-3-oxo-
 See 2-Hexenoic acid, 2-acetyl- [5636-72-6]
- , 2-butyl-3-oxo-
 See Hexanoic acid, 2-acetyl- [4383-83-9]
- , 2-butyl-3-oxo-4-phenyl-
 See Benzenebutanoic acid, α -butyl- β -oxo- [5662-74-8]
- , 2-(carboxyamino)-4-hydroxy-
 γ -lactone — see *Carbamic acid, (tetrahydro-2-oxo-3-furanyl)-* [4471-04-9]
- , 4-[(1-carboxy-3-methylbutyl)amino]-4-oxo-
 See *Leucine, N-(3-carboxy-2,3-dihydroxy-1-oxopropyl)-* [6005-94-3]
- , 4-(2-carboxyoxiranyl)-
 See Oxiranebutanoic acid, 2-carboxy- [6245-98-3]
- , 4-(3-carboxy-1-oxo-2-propenyl)-3-oxo-
 See 2-Octenedioic acid, 4,6-dioxo- [5698-51-1]
- , 2-cyclohexyl-
 See Cyclohexanecarboxylic acid, α -ethyl- [6051-00-9]
- , 2-cyclopentyl-
 See Cyclopentanecarboxylic acid, α -ethyl- [5623-50-7]
- , 2-decyl-3-oxo-
 See Dodecanoic acid, 2-acetyl- [6930-89-8]
- , 2,4-diamino-4-oxo-
 (S)- — see *L-Asparagine* [70-47-3]
- , 3,4-diamino-4-oxo- [498-25-9]
 Only peptides of α -asparagine are indexed at this heading. α -Asparagine itself is indexed at *Butanoic acid, 3,4-diamino-4-oxo-*
- , 3-[(1,2-dihydro-1-hydroxy-1-naphthalenyl)-oxy]-
 δ -lactone — see *Spiro[1,3-dioxane-2,1'(2'H)-naphthalen]-4-one, 6-methyl-* [13755-06-1]
- , 2,3-dihydroxy-
 cyclic acetal with cyclohexanone —
 see 1,4-Dioxaspiro[4.5]decane-2-carboxylic acid, 3-methyl- [4746-92-3]
- , 2,3-dioxo-
 2-(cyclic 2,3-quinoxalinediyl mercaptole) —
 see 1,3-Dithiolo[4,5-b]quinoxaline-2-carboxylic acid, 2-acetyl- [5634-17-3]
- , 2,3-epoxy-
 See Oxiranecarboxylic acid, 3-methyl- [2443-40-5]
- , 3,4-epoxy-
 See Oxiranecarboxylic acid [33278-09-0]
- , 2-ethyl-2-hydroxy-
 monoanhydride with sulfuric acid, cyclic ester —
 see 1,3,2-Dioxathiolan-4-one, 5,5-diethyl-, 2-oxide [2851-98-1]
- , 2-ethylidene-
 See 2-Butenoic acid, 2-ethyl- [4411-99-8]
- , 2,2'-ethylidenebis[3-oxo-
 See Pentanedioic acid, 2,4-diacyl-3-methyl- [5693-94-7]
- , 2-heptylidene-3-oxo-
 See 2-Nonenoic acid, 2-acetyl- [5963-16-6]
- , 2-heptyl-3-oxo-
 See Nonanoic acid, 2-acetyl- [6809-51-4]
- , 2-hexadecyl-3-oxo-
 See Octadecanoic acid, 2-acetyl- [4445-11-8]
- , 2-hexyl-3-oxo-
 See Octanoic acid, 2-acetyl- [5633-90-9]
- , 2-hydroxy-
 bimol. cyclic ester —
 see 1,4-Dioxane-2,5-dione, 3,6-diethyl- [4374-57-6]
- , 3-hydroxy-
 β -lactone — see 2-Oxetanone, 4-methyl- [3068-88-0]
- , 4-hydroxy-
 γ -lactone — see 2(3H)-Furanone, dihydro- [96-48-0]
- , 4-hydroxy-3-oxo-
 γ -lactone — see 2,4(3H,5H)-Furandione [4971-56-6]
- , 4-mercapto-
 γ -(thiolactone) — see 2(3H)-Thiophenone, dihydro- [1003-10-7]
- , 2-(3-methylbutyl)-3-oxo-
 See Hexanoic acid, 2-acetyl-5-methyl- [4383-84-0]
- , 3-methylene-
 See 3-Butenoic acid, 3-methyl- [1617-31-8]
- , 2,2'-methylenebis[3-oxo-
 See Pentanedioic acid, 2,4-diacyl- [5693-93-6]
- , N-(8-methyl-1-oxodecyl)-L-tryptophyl-L-asparaginyl-L- α -aspartyl-L-threonyl-glycyl-L-ornithyl-L- α -aspartyl-D-alanyl-L- α -aspartylglycyl-D-seryl-threo-3-methyl-L- α -glutamyl-4-(2-aminophenyl)-4-oxo-L-2-amino- ϵ_1 -lactone — see *Antibiotic A 21978C₁* [74754-47-5]
- , N-(10-methyl-1-oxododecyl)-L-tryptophyl-L-asparaginyl-L- α -aspartyl-L-threonyl-glycyl-L-ornithyl-L- α -aspartyl-D-alanyl-L- α -aspartylglycyl-D-seryl-threo-3-methyl-L- α -aspartylglycyl-D-seryl-threo-3-methyl-L- α -glutamyl-4-(2-aminophenyl)-4-oxo-L-2-amino- ϵ_1 -lactone — see *Antibiotic A 21978C₃* [74754-46-4]
- , N-(10-methyl-1-oxoundecyl)-L-tryptophyl-L-asparaginyl-L- α -aspartyl-L-threonyl-glycyl-L-ornithyl-L- α -aspartyl-D-alanyl-L- α -aspartylglycyl-D-seryl-threo-3-methyl-L- α -glutamyl-4-(2-aminophenyl)-4-oxo-L-2-amino- ϵ_1 -lactone — see *Antibiotic A 21978C₂* [74764-81-1]
- , 2-(4-methylpentyl)-3-oxo-
 See Heptanoic acid, 2-acetyl-6-methyl- [5703-19-5]
- , 2-(2-methylpropylidene)-3-oxo-
 See 2-Pentenoic acid, 2-acetyl-4-methyl- [6704-88-7]

- , 2-(2-methylpropyl)-3-oxo-
 See Pentanoic acid, 2-acetyl-4-methyl- [5699-53-6]
- , 2-octyl-3-oxo-
 See Decanoic acid, 2-acetyl- [5579-77-1]
- , 3-oxo-
 See also 2-Butenoic acid, 3-hydroxy-
 Butanoic acid, 3-oxo-, acetals
 cyclic 1,2-ethanediyl acetal —
 see 1,3-Dioxolane-2-acetic acid, 2-methyl- [5735-97-7]
- , cyclic 1,2-ethanediyl monothioacetal —
 see 1,3-Oxathiolane-2-acetic acid, 2-methyl- [5638-35-7]
- , cyclic 1,2-phenylene acetal —
 see 1,3-Benzodioxole-2-acetic acid, 2-methyl- [4442-72-2]
- Butanoic acid, 3-oxo-, compounds
 copper(2+) salt — see *Copper, bis[3-(oxo- κ O)-butanoato- κ O]-* [15525-63-0]
- , cyanohydrin — see *Butanoic acid, 3-cyano-3-hydroxy-* [4386-08-7]
- Butanoic acid
 —, 4-oxo-
 cyclic 1,2-ethanediyl acetal —
 see 1,3-Dioxolane-2-propanoic acid [4388-56-1]
- , ethyl hemiacetal, γ -lactone —
 see 2(3H)-Furanone, 5-ethoxydihydro- [932-85-4]
- , methyl hemiacetal, γ -lactone —
 see 2(3H)-Furanone, dihydro-5-methoxy- [21963-36-0]
- , 2-(1-oxobutyl)-
 See Hexanoic acid, 2-ethyl-3-oxo- [4384-00-3]
- , N-(1-oxodecyl)-L-tryptophyl-L-asparaginyl-L- α -aspartyl-L-threonyl-glycyl-L-ornithyl-L- α -aspartyl-D-alanyl-L- α -aspartylglycyl-D-seryl-threo-3-methyl-L- α -glutamyl-4-(2-aminophenyl)-4-oxo-L-2-amino- ϵ_1 -lactone — see *Daptomycin* [103060-53-3]
- , 3-oxo-2-(1-oxo-3-phenyl-2-propenyl)-
 See 4-Pentenoic acid, 2-acetyl-3-oxo-5-phenyl- [4743-89-9]
- , 3-oxo-2-(1-oxo-2-propenyl)-
 See 4-Pentenoic acid, 2-acetyl-3-oxo- [4743-88-8]
- , 3-oxo-2-pentyl-
 See Heptanoic acid, 2-acetyl- [5703-01-5]
- , 4-[oxo(phenylamino)acetyl]-
 See Hexanoic acid, 5,6-dioxo-6-(phenylamino)- [4383-89-5]
- , 3-oxo-2-(2-propenyl)-
 See 4-Pentenoic acid, 2-acetyl- [4743-87-7]
- , 3-oxo-2-(2-propenylidene)-
 See 2,4-Pentadienoic acid, 2-acetyl- [4941-86-0]
- , 3-oxo-2-propyl-
 See Pentanoic acid, 2-acetyl- [5699-52-5]
- , 3-oxo-2-propylidene-
 See 2-Pentenoic acid, 2-acetyl- [6704-87-6]
- , N-(1-oxopropyl)-D-phenylalanyl-D-leucyl-L-phenylalanyl-L-threonyl-L-valyl-L-alanyl-2,3-didehydro-2-amino- λ -lactone — for specific stereoisomers see such headings as *Antibiotic A 3302A* [59234-11-6]
- , 4,4'-(1,3-phenylenedicarbonyl)bis-
 See 1,3-Benzenedipentanoic acid, δ,δ' -dioxo- [18870-22-9]
- , 2,2'-(1,4-phenylenedicarbonyl)bis[3-oxo-
 See 1,4-Benzenedipentanoic acid, α,α' -diacetyl- β,β' -dioxo- [4482-00-2]
- , 4-selenyl-
 γ -(selenolactone) —
 see 2(3H)-Selenophenone, dihydro- [7108-30-7]
- , 4,4'-thiobis-
 cyclic 1,10-decanediyl ester —
 see 1,11-Dioxo-6-thiacycloheicosane-2,10-dione [3988-34-9]
- 1,7-Butanoisatin
 See *Azepino[3,2,1-h]indole-1,2-dione, 4,5,6,7-tetrahydro-* [4425-15-4]
- Butanol
 —, 4-[(acetyloxy)mercurio]-
 See *Mercury, (acetato- κ O)[4-(hydroxy- κ O)butyl- κ C]-* [33305-39-4]
- 1-Butanol [71-36-3]
 1-Butanol derivatives containing higher functions are indexed at names that express those functions. When 1-butanol is directly attached to a cyclic parent by a single bond, a conjunctive name is employed; e.g., *Benzenebutanol*; 9-Anthracenepropanol, β -methyl-, as described in more detail by the notes at *Ethanol* and *Methanol*
- 1-Butanol [71-36-3], compounds
 Specific coordination compounds containing the butoxy ligand are indexed only at the coordination headings, e.g., *Aluminum, butoxydiethyl-* [1767-41-5]. Nonspecific coordination compounds containing this ligand are indexed here and at the element headings. Specific coordination compounds containing other ligands derived from butyl alcohol, e.g., the neutral ligand, are indexed here as well as at the specific coordination headings
- 1-Butanol [71-36-3], esters
 Specific esters of acids with 1-butanol are indexed under the names of the acids only. General studies of butyl esters are indexed at this heading
- 1-Butanol
 —, 1-cyclohexyl-
 See *Cyclohexanemethanol, α -propyl-* [4352-42-5]
- , 1-cyclopropyl-
 See *Cyclopropanemethanol, α -propyl-* [4426-61-3]
- , 1,3-diphenyl-
 See *Benzenepropanol, γ -methyl- α -phenyl-* [4435-52-3]
- , 2-ethyl- [97-95-0]
 Specific esters of acids with 2-ethyl-1-butanol are indexed under the names of the acids only; metal

- salts and general studies of esters of 2-ethyl-1-butanol are indexed at this heading
- , 1-(2-furanyl)-
 See 2-Furanmethanol, α -propyl- [4208-62-2]
- , 2-methyl-
 See also 1-Pentanol [71-41-0]
- , 3-methyl-
 See also
Fusel oil
 1-Pentanol [71-41-0]
- , 2-methyl-2-phenyl-
 See *Benzenethanol, β -ethyl- β -methyl-* [6006-75-3]
- , 3-methyl-1-phenyl-
 See *Benzenemethanol, α -(2-methylpropyl)-* [1565-86-2]
- , 1-phenyl-
 See *Benzenemethanol, α -propyl-* [614-14-2]
- , 2-phenyl-
 See *Benzenethanol, β -ethyl-* [2035-94-1]
- 2-Butanol [78-92-2]
 Specific esters of acids with 2-butanol are indexed under the names of the acids only; metal salts and general studies of esters of 2-butanol are indexed at this heading
- , 2-ethynyl-
 See 1-Pentyn-3-ol, 3-methyl- [77-75-8]
- , 2,4-(1,1'-ferrocenediyl)-
 See *Ferrocene, 1,1'-(1-hydroxy-1-methyl-1,3-propanediyl)-* [33039-33-7]
- , 3-methyl-2-phenyl-
 See *Benzenemethanol, α -methyl- α -(1-methylethyl)-* [4383-11-3]
- , 1-(4-morpholinyl)-
 See 4-Morpholineethanol, α -ethyl- [3140-35-0]
- , 1-phenyl-
 See *Benzenethanol, α -ethyl-* [701-70-2]
- , 2-phenyl-
 See *Benzenemethanol, α -ethyl- α -methyl-* [1565-75-9]
- , 1-(1-piperidinyl)-
 See 1-Piperidineethanol, α -ethyl- [3140-33-8]
- 16,17-Butanorinophan
 See 12,6,12-[1]Pentanyll[5]hydride-12H-pyrido[1,2-c]-[3]benzazocine, 1,2,3,4,6,7,13,13a-octahydro-, (6R,12R,13aR,14R)- [58809-51-1]
- 1-Butanone
 —, 4-amino-1-phenyl-
 cyclic 1,2-ethanediyl acetal —
 see 1,3-Dioxolane-2-propanamine, 2-phenyl- [3239-88-1]
- , 1-(cyclopentadienyl)-
 cyclopentadienyliron deriv. —
 see *Ferrocene, (1-oxobutyl)-* [1271-94-9]
- , 1-ferrocenyl-
 See *Ferrocene, (1-oxobutyl)-* [1271-94-9]
- 2-Butanone [78-93-3], acetals
 Acyclic acetals of 2-butanone are indexed like other ethers (see notes at *Acetals, Ethers*). Cyclic acetals are indexed at the ring names. Examples: *Butane, 2,2-dimethoxy-*; *Hexane, 1,1'-(1-methylpropylidene)bis(oxy)bis-*; *1,3-Dioxolane, 2-ethyl-2-methyl-*
- , cyclic 1,2-ethanediyl acetal —
 see 1,3-Dioxolane, 2-ethyl-2-methyl- [126-39-6]
- , cyclic 1,3-propanediyl acetal —
 see 1,3-Dioxane, 2-ethyl-2-methyl- [5702-36-3]
- 2-Butanone, compounds
 cyanohydrin — see *Butanenitrile, 2-hydroxy-2-methyl-* [4111-08-4]
- 2-Butanone, hydrazones
 (aminoiminomethyl)hydrazide —
 see *Hydrazinecarboximidamide, 2-(1-methylpropylidene)-* [4364-72-1]
- 2-Butanone
 —, 3,3-dimethyl-
 (aminoiminomethyl)hydrazide —
 see *Hydrazinecarboximidamide, 2-(1,2,2-trimethylpropylidene)-* [4362-82-7]
- , 3-hydroxy-
 See also *Seducin* [131463-57-5]
- , 2-thio-
 See 2-Butanethione [4435-44-3]
- 8,9-Butano-9-nonanolide
 —, 6-oxo-
 See 2H-1-Benzoxecin-2,7(8H)-dione, decahydro- [21962-16-3]
- Butanox LPT
 See 2-Butanone, compounds, peroxide [1338-23-4]
- Butanox M 50
 See 2-Butanone, compounds, peroxide [1338-23-4]
- Butanox M 105
 See 2-Butanone, compounds, peroxide [1338-23-4]
- Butanox special
 See 2-Propanone, polymers, polymer with N-phenyl-2-naphthalenamine [31885-52-6]
- Butanoyl chloride [141-75-3]
 See *Butanoic acid* headings for many nomenclature cross-references that will also be useful when searching for butanoyl chloride derivatives
- Butanoyl coenzyme A
 See *Coenzyme A, esters, S-butanoate* [2140-48-9]
- Butanoyl disulfide
 bis(O-benzoyloxime) —
 see *Disulfide, bis[1-[(benzoyloxy)imino]butyl]* [13783-98-7]
- , dioxime — see *Disulfide, bis[1-(hydroxyimino)-butyl]* [13951-52-5]
- Butanoyl nitrite
 See *Butanoic acid, anhydrides, anhydride with nitrous acid* [3880-11-3]
- Butanoyl phosphate (C₃H₇C(O)OP(O)(OH)₂)
 See *Butanoic acid, anhydrides, monoanhydride with phosphoric acid* [4378-06-7]
- Butanserine
 See 2,4(1H,3H)-Quinazolinone, 3-[4-(4-fluorobenzoyl)-1-piperidinyl]butyl- [87051-46-5]
- Butantrone
 See 9(10H)-Anthracenone, 1,8-dihydroxy-10-(1-